Global Combat Support System Marine Corps (GCSS-MC) Logistic Chain Management (LCM) Block 1 Overview

What is Log Mod?

Logistics Modernization (LOGMOD) is a Corps-wide, multi-year, people-focused program to improve processes and technology supporting MAGTF (Marine Air Ground Tactical Force) operations. LOGMOD consists of seven initiatives that – when fully implemented – will enhance MAGTF effectiveness by providing increased accuracy, reliability, and responsiveness of logistics information to Marines deployed on the battlefield.

The GCSS-MC (Global Combat Support System – Marine Corps) is LOGMOD's technology centerpiece. Instead of today's requirement to learn and use multiple systems depending on the logistics need, this web-based system will provide Marines a single point of entry to access all logistics data. It will give them both global and cross-battlefield visibility and integration of information, resulting in greater operational flexibility.

Logistics management is critical to the success of any expedition. Therefore, Logistics Modernization is a Marine Corps priority program to ensure Marines have the best support whenever and wherever they are engaged.

The LOGMOD Story

In 1998, in response to changing missions worldwide, the Marine Corps began an aggressive effort to transform its logistics and supporting technology. At that time the Deputy Commandant of the Marine Corps for Installations and Logistics (DCMC I&L) championed the effort and established a team in I&L (Code LPI) to serve as a single project integrator to implement the best and most efficient logistics practices to meet these challenges.

Logistics Modernization now represents a comprehensive Marine Corps approach to improving the effectiveness of Marine Air Ground Task Force (MAGTF). The Logistics Modernization program, now coordinated by I&L's Vision and Strategy Division (LPV-4) focuses on reengineering logistics based on best practices and the evolving lessons learned for Operations Enduring Freedom (OEF) and Iraqi Freedom (OIF) leading the MAGTF to greater combat effectiveness.

It was decided in December 2000 that one of the first things the Marine Corps needed to do was to develop, guide and document an ***Operational Architecture (OA) for its logistics functions.*** This task focused on the Logistics Chain that supports the Marine Corps. The intent of the OA was to document a plan for providing optimal logistics and CSS to the deployed MAGTF. ***In a sense, the OA became the 'sand table' plan for future logistics.*** During the analysis, the Marine Corps found that:

The LOGMOD Story

U.S. Marine Corps logistics chain is presently designed primarily for garrison operations requiring Marines to learn new processes to support deployed operations, often times when the bullets are flying.
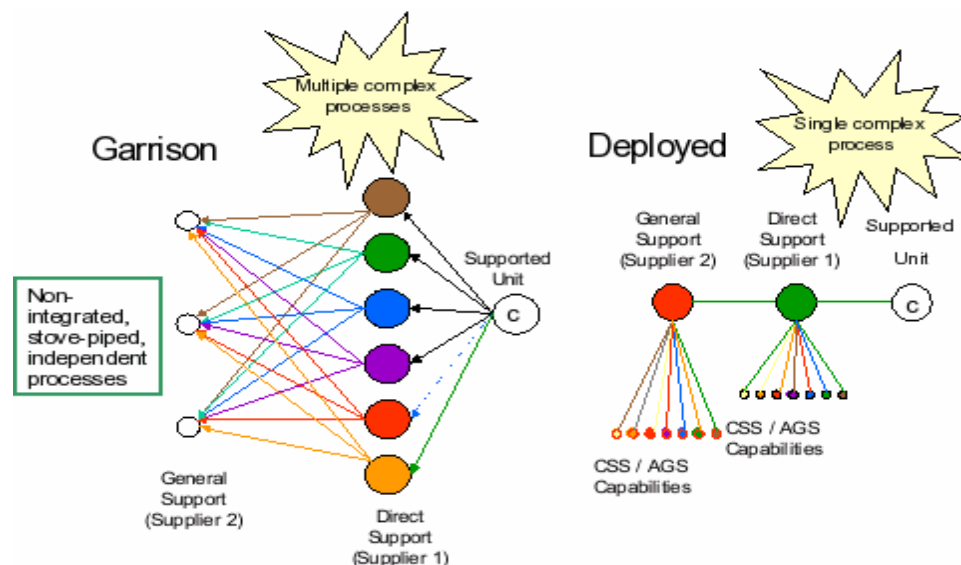
Multiple complex processes exist that must be managed at the supported unit level. Numerous specialized systems and skills are required, placing the burden on the war fighter to fulfill their own logistics needs and detracting from their fundamental core competency, which is to execute combat or combat support operations.

Inadequate information visibility exists across the Marine Corps logistics chain to make informed logistics planning and execution decisions.

The LOGMOD Story

Today, supported units do not have visibility regarding:

- Status of their requests for products and/or services
- Service capacity (people, equipment, etc) available to fulfill their requests
- Inventory available within and outside the Marine Corps (vendor inventory) to fulfill their requests

This lack of near real-time information sharing is present leading to demand uncertainty, resulting in mountains of excess inventory (i.e., safety stock)

Inventory is managed and positioned by class of supply and according to doctrine and policy with very little understanding of the importance of the individual end item to mission accomplishment and the ability of the global supply environment to support the demand, resulting in large amounts of redundant and layered inventory (the 'Iron Mountain') being maintained across the logistics chain.

Numerous and conflicting metrics exist, with most not aligned to Marine Corps strategic goals

The LOGMOD Story

The future state U.S. Marine Corps logistics chain will consist of a single simplified process for ordering products and services with a single point of contact for managing and ensuring the fulfillment of a supported unit's logistics needs. This process will be optimized for deployed operations but can also be used in garrison.
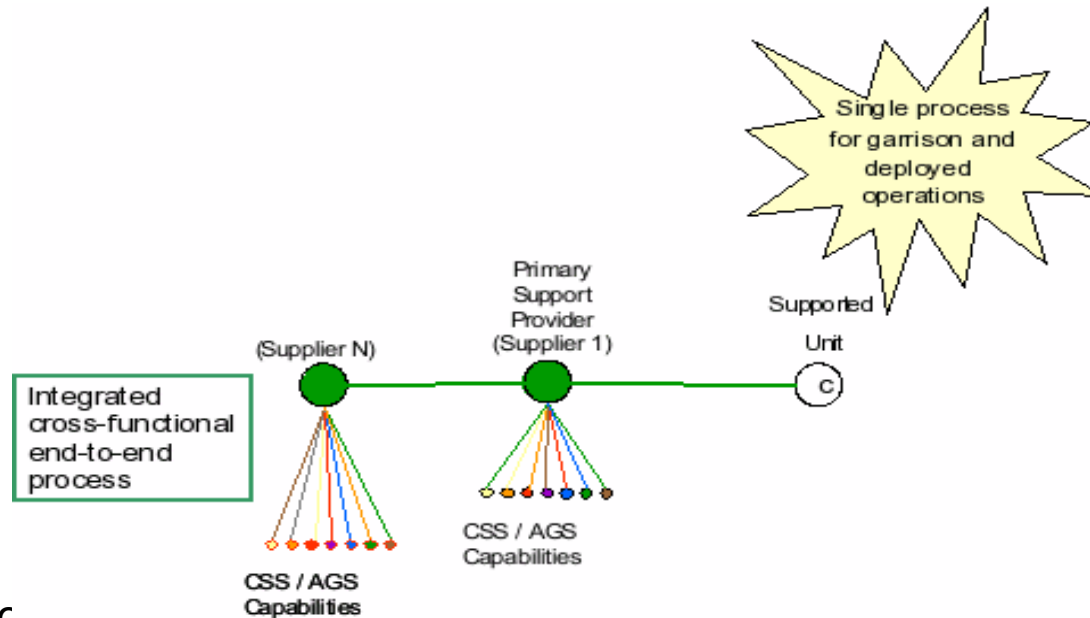
We believe Logistics Modernization is moving curve towards proven practices that will overcome these challenges and deliver goods and services efficiently and effectively.

GCSS-MC Project

Program Manager

ACAT 1AM
Log Chain Mod

GCSS-M
Block 1

Current Focus

Block
Block 3

Future Focus

ACAT III, IV & AAP
 TDIS (AIT/RFID)
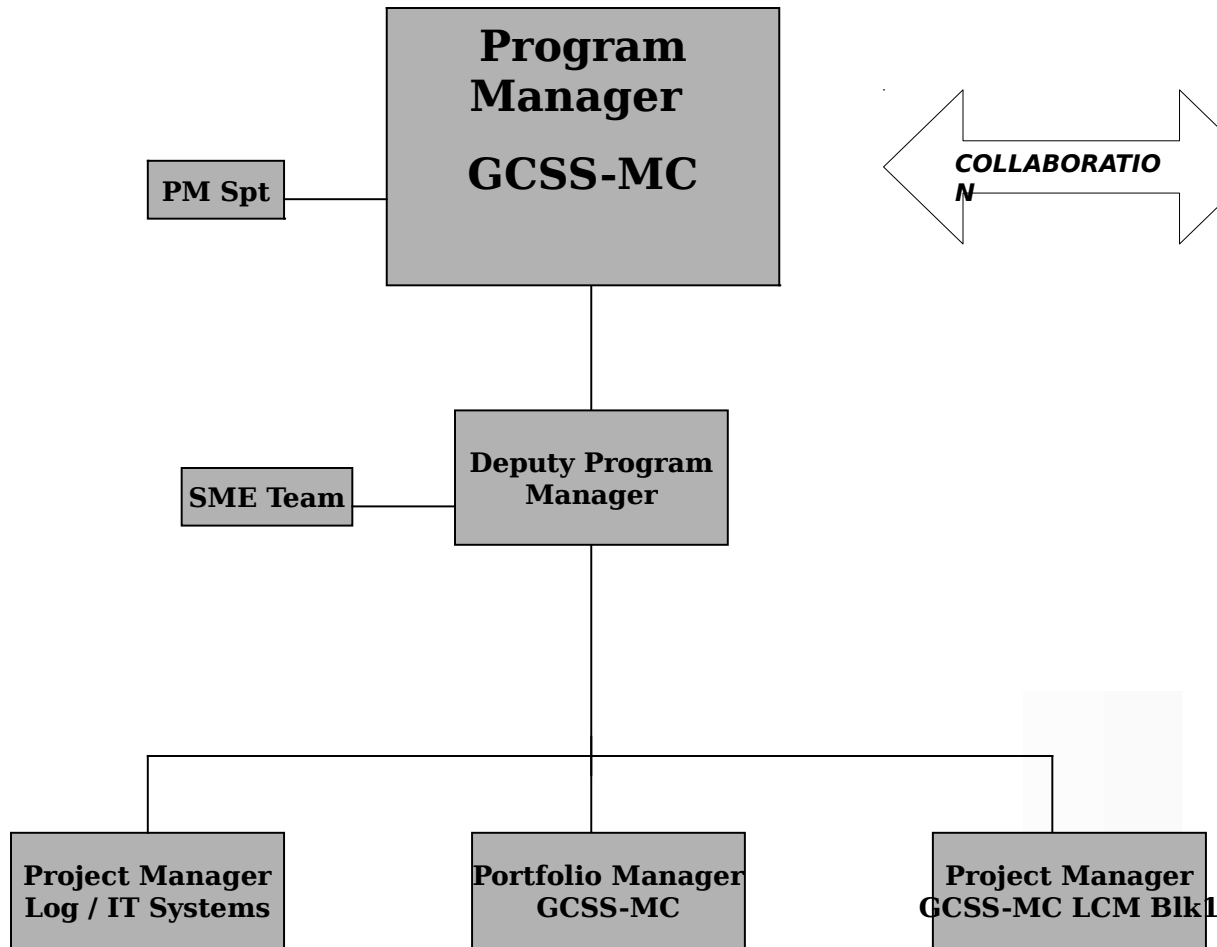 CLC2S
 LogC2
 TMIP-Maritime
 JFRG II
 TFSMS
 MCEITS
 MDL/SDE
 MCTWL

Additional programs which fall under the Program Manager

GCSS-MC Program Organization

Program Manager

GCSS-MC

PM Spt

COLLABORATION

Deputy Program Manager

SME Team

Project Manager Log / IT Systems

Portfolio Manager GCSS-MC

Project Manager GCSS-MC LCM Blk1

STAKEHOLDERS

Customers

Operating Forces

OSD, CIO

Sponsor (ADVOCATE)

DC Installations and Logis

External Stakehold

DCs PP&O, AVN, P&R, CD

LOGCOM

PM Communications
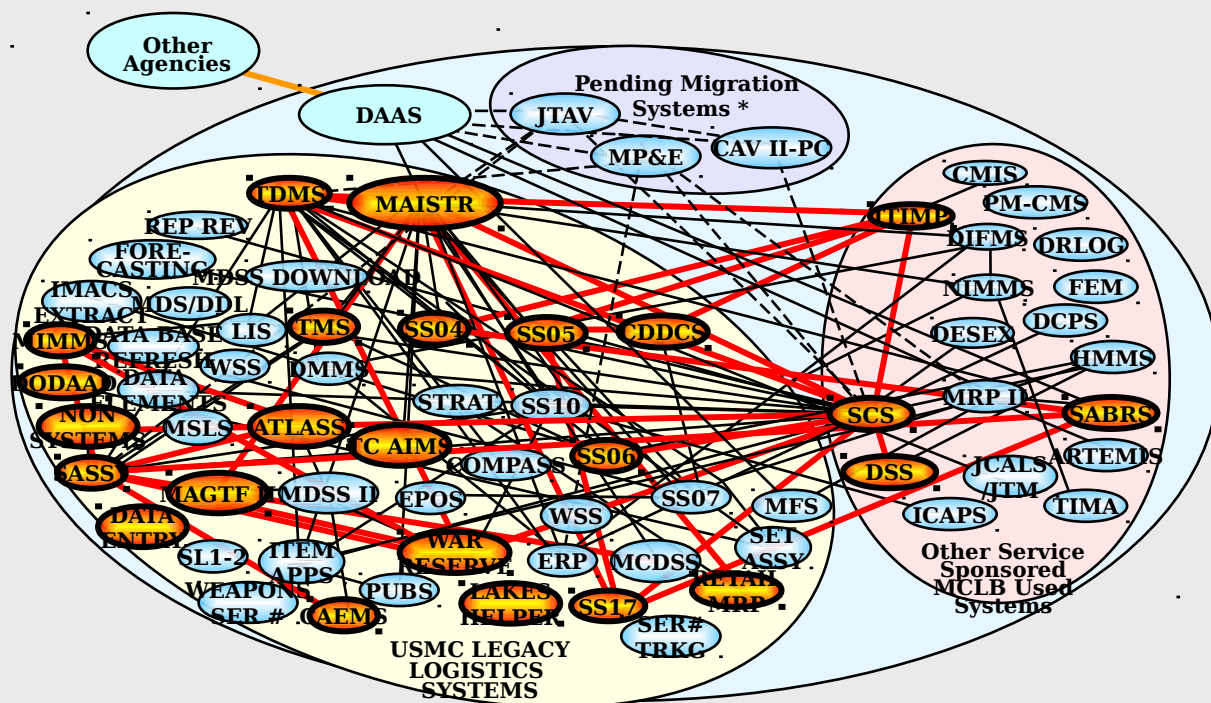
PM Legacy Information System

Supporting Establishment

Why Change?

✓ OIF Equip Use
✓ Force Turnover

	Fielding	Language	# Mods
SASSY	1971	COBOL/Natural	151
MIMMS	1971	COBOL/Natural	187
ATLASS (I, II+)	93-99	Power Builder / C++	17

Mission Critical Logistics Systems

Why Change?

- ***The Warfighter's World is Changing***
- Need to improve logistics response times
- Need to use information to achieve a strategic and tactical advantage
- We need the right information, in the hands of the right user, in the right place, at the right time
- Customer support dominates tomorrow's battlefield
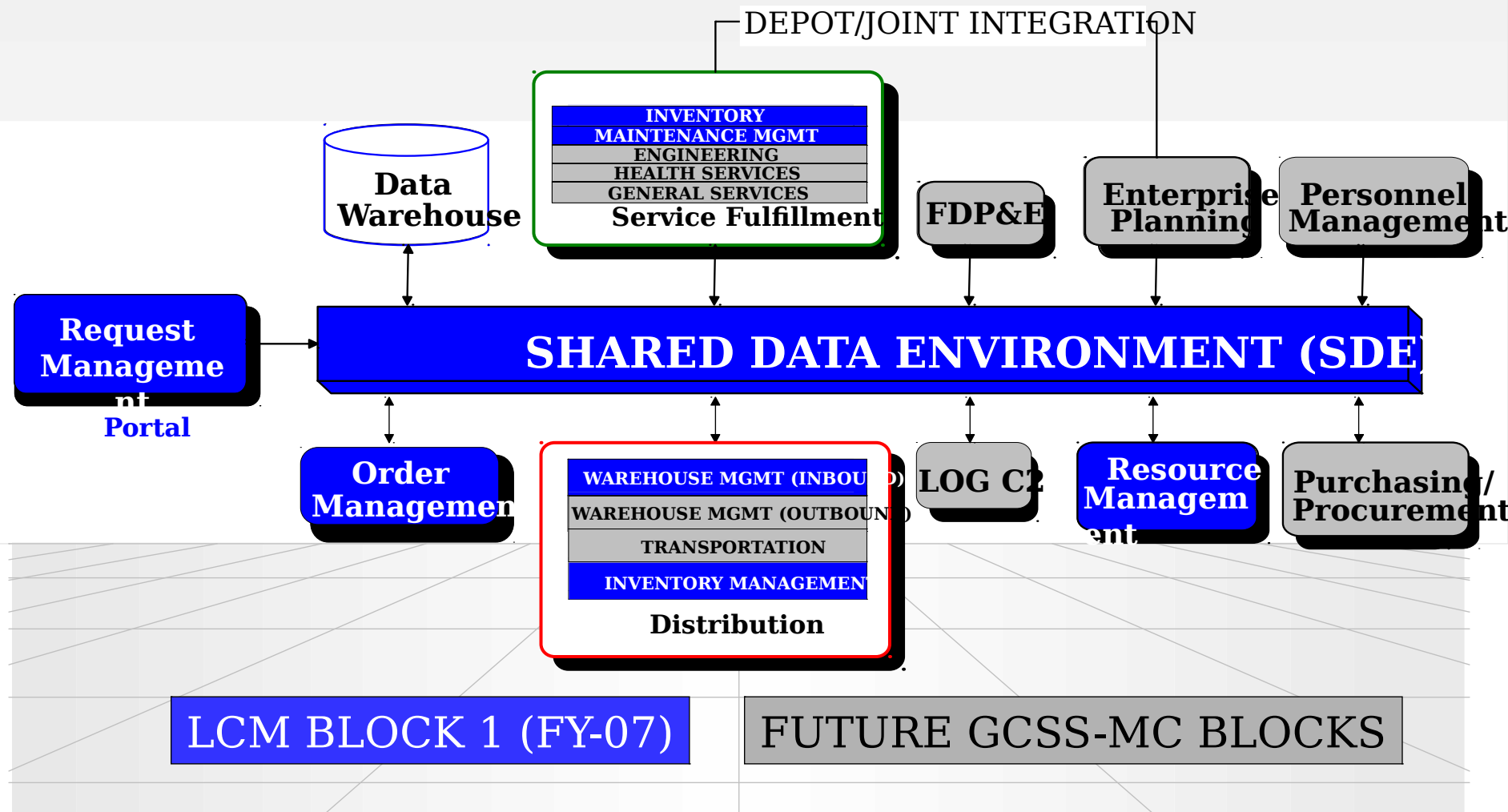- Just enough resources to get the job done

GCSS-MC Oracle Software Solution

- ***Single Point Of Entry*** to Request Products and Services

- Provide a ***Simplified, End-to-End*** Log Info Process

- Access a ***Shared Data Environment***

- ***Bandwidth flexibility*** depending on Connectivity

- ***Portfolio*** of Logistics Systems

- Fit with the ***DoD / DLA Modernization*** and ***Joint Service functionality*** to support the ***Transformation*** in Warfighting

GCSS-MC Scope - Functional

DEPOT/JOINT INTEGRATION

Data Warehouse

| INVENTORY |
| MAINTENANCE MGMT |
| ENGINEERING |
| HEALTH SERVICES |
| GENERAL SERVICES |

Service Fulfillment

FDP&E

Enterprise Planning

Personnel Management

Request Management
Portal

SHARED DATA ENVIRONMENT (SDE)

Order Management

| WAREHOUSE MGMT (INBOUND) |
| WAREHOUSE MGMT (OUTBOUND) |
| TRANSPORTATION |
| INVENTORY MANAGEMENT |

Distribution

LOG C2

Resource Management

Purchasing/Procurement

LCM BLOCK 1 (FY-07)   FUTURE GCSS-MC BLOCKS

LCM Block 1 Capabilities

Replacement Capability

- MIMMS/ PC MIMMS

- SASSY

- ATLASS

New Capability

- Portal (web-based with 'in theater' capability)

- Single Log On

- Deployed Capability

Over 600 Specific Requirements

Six Major OA Functions

RM — **Request Management:** Function of generating and approving supported unit demands.

OM — **Order Management:** Function of routing, coordinating, tasking, and tracking customer orders through to fulfillment.

CM — **Capacity Management:** Function of managing, optimizing, prioritizing, and planning resources and capacity to fulfill supported unit demands. Aligns "capability" with demands.

PM — **Production Management:** Function of coordinating, planning, tasking, and controlling how customer demands are fulfilled. Assigns specific resources to CSS tasks

E — **Execution:** Function of executing CSS tasks to fulfill customer demands.

LCP — **Logistics Chain Planning:** The function of planning and managing the logistics chain and aligning enterprise capacity.

Block 1

Logistics Chain Plan (Customer)
Request Management
Order Management

Maintenance:

 Capacity Planning

 Planning

 Scheduling

 Fulfillment

 Operations Management

Demand Planning
Warehouse Mgmt (Inbound)
Procurement Fulfillment
Distribution Operations Mgmt

Inventory:

 Capacity Operations

 Planning

 Control (Demand Supply)

 Operations Management